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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/573,059	03/22/2006	Kim Rishoj Pedersen	GRP-0153	8971
23413 CANTOR COI	7590 07/11/2007 LBURN, LLP		EXAMINER	
55 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002			YOUNG, BRIAN K	
BLOOMFIEL), C1 00002		ART UNIT	PAPER NUMBER
			2819	
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			MAIL DATE	DELIVERY MODE
			07/11/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Annication No.	Applicant(a)			
Office Action Summary		Application No.	Applicant(s)			
		10/573,059	PEDERSEN ET AL.			
		Examiner	Art Unit			
		Brian Young	2819 .			
Period fo	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)🛛	Responsive to communication(s) filed on 18 Ma	a <u>y 2006</u> .				
2a)[This action is FINAL . 2b)⊠ This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) Claim(s) 1-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-5,11 and 21-24 is/are rejected. 7) Claim(s) 6-10 and 12-20 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
10)⊠	The specification is objected to by the Examiner The drawing(s) filed on 22 March 2006 is/are: a Applicant may not request that any objection to the correction Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examiner.	a) \boxtimes accepted or b) \square objected to drawing(s) be held in abeyance. See on is required if the drawing(s) is obje	ected to. See 37 CFR 1.121(d).			
Priority u	ınder 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
2) Notic 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date <u>5/18/06 and 3/22/06</u> .	4) Interview Summary (Paper No(s)/Mail Dat 5) Notice of Informal Pat 6) Other:	te			

Application/Control Number: 10/573,059 Page 2

Art Unit: 2819

Detailed Action

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-5,11 and 21-24 are rejected under 35 U.S.C. 102(b) as being anticipated by Wada.

The examiner would specifically like to point out the similarities between applicant's figures 8a and 8b and Wada's figure 2.

Regarding claims 1,2 and 21-24 Wada discloses (see fig.2) an A/D converter comprising a self-oscillating loop modulator having at least one self-oscillating loop including a forward path (A11, D12), a feedback path (A14), wherein the forward path comprises amplitude quantizing means (11 and 12) combined with time quantizing means (clocked flip-flop,13) and outputting at least one time and amplitude quantized signal (D13).

Regarding claims 3,4 and 5 Wada recites that the time quantizing means ("latched" flip-flop circuit) may be used for "high speed sampling" (col. 2,lns.56-57) and shows a single bit output (D13, fig. 2).

Regarding claim 11 Wada shows (fig.2) that the A/D converter is "single ended" (i.e. one output).

Application/Control Number: 10/573,059 Page 3

Art Unit: 2819

3. Claims 6-10 and 12-20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Greenwood et al and Noujaim disclose ADC's having feedback and latched outputs.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Young whose telephone number is 571-272-1816. The examiner can normally be reached on Mon-Fri 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rexford Barnie can be reached on 571-272-7492. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/573,059

Art Unit: 2819

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Brian Young

Primary Examiner

Page 4

Art **//** nit 2819
